

IN THE CLAIMS.

1. (original): A stream of non-soliton RZ pulses, characterized in that the phase difference between the end of one pulse and the beginning of the next pulse is in the range from $2\pi/3$ to $4\pi/3$.
2. (original): The pulse stream of claim 1, characterized in that each pulse has a constant phase.
3. (withdrawn): The pulse stream of claim 1, characterized in that the phase varies between the beginning of a pulse and the end of the pulse.
4. (withdrawn): The pulse stream of claim 3, characterized in that the phase variation in a pulse is sinusoidal.
5. (withdrawn): The pulse stream of claim 4, characterized in that the phase variation in a pulse is a squarewave.
6. (original): The pulse stream of claim 1, characterized in that it is modulated.
7. (original): A stream of non-soliton RZ pulses, characterized in that the phase difference between the end of a pulse and the beginning of the immediately following pulse is in the range from $2\pi/3$ to $4\pi/3$.
8. (original): The pulse stream of claim 7, characterized in that each pulse has a constant phase.

9. (original) The pulse stream of claim 8, characterized in that the difference between the phase of an even-numbered pulse and the phase of an odd-numbered pulse is in the range from $2\pi/3$ to $4\pi/3$.

10. (previously presented): A method of transmitting, said method including the steps of generating a stream of pulses according to claim 2, including reversing the phase of each new pulse, and transmitting said stream of pulses.

11. (withdrawn): A method of transmitting, said method including the steps of generating a pulse stream according to claim 3, including phase modulating each pulse, and transmitting said stream of pulses.

12. (withdrawn): A method of transmitting, said method including the steps of generating a pulse stream according to claim 7, including generating a stream of pulses at half the pulse frequency with a first phase, generating a stream of pulses at half the pulse frequency with a second phase, and transmitting the two pulse streams with the two pulse streams interleaved at half the pulse frequency.

13. (previously presented): A method of transmitting information, said method comprising the steps of generating a stream of non-soliton RZ pulses wherein a phase difference between the end of one pulse and the beginning of the next pulse is in the range from $2\pi/3$ to $4\pi/3$, and transmitting said stream of pulses.

14. (previously presented): The method of claim 13, wherein each pulse has a constant phase.

15. (withdrawn): The method of claim 13, wherein the phase varies between the beginning of a pulse and the end of the pulse.

16. (withdrawn): The method of claim 15, wherein the phase variation in a pulse is sinusoidal.

17. (withdrawn): The method of claim 16, wherein the phase variation in a pulse is a squarewave.

18. (previously presented): The method of claim 13, wherein said pulse stream is modulated.

19. (previously presented): The method of claim 14, characterized in that the difference between the phase of an even-numbered pulse and the phase of an odd-numbered pulse is in the range from $2\pi/3$ to $4\pi/3$.

20. (previously presented): The method of claim 14, wherein said generating step includes the step of reversing the phase of each new pulse.

21. (previously presented): The method of claim 15, wherein said generating step includes the step of phase modulating each pulse.

22. (previously presented): The method of claim 13, wherein said generating step comprises the steps of generating a stream of pulses at half the pulse frequency with a first phase, generating a stream of pulses at half the pulse frequency with a second phase, and interleaving the two streams of pulses at half the pulse frequency.

23. (previously presented): A transmission medium carrying a stream of non-soliton RZ pulses according to claim 1.